

Attorney Docket: 60258-0284/103  
Client Reference: 298027US/KA/HER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of:  
SALMIVALLI  
Application No.: 10/014,804

Confirmation Number: 1649

Group Art Unit: 2135

Filed: December 14, 2001

Examiner: Truong, Thanhnga B.

Title: DETECTING COPIED IDENTITY OF TERMINAL EQUIPMENT

REQUEST FOR RECONSIDERATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated May 31, 2005, please reconsider the patentability of the pending claims based on the following arguments.

The Office Action rejected claims 1-9 under 35 U.S.C. 103(a) based on Kortessalmi (US 6,427,073). Applicant traverses the rejection because Kortessalmi fails to disclose, teach or suggest the claimed subject matter. For example, Kortessalmi fails to disclose, teach or suggest the claimed method comprising “checking whether there is a record in the database, which contains a mobile equipment identity corresponding to the mobile equipment identity transmitted by the mobile station, and (iv) if there is a record in the database, checking whether the record includes a mobile subscriber identity corresponding to the mobile subscriber identity transmitted by the mobile station, and, if there is no record in the database, producing at least a signal indicating that the mobile equipment identity is possibly a copied one,” as recited in independent claim 1 and its dependent claims 2-6.

Similarly, Kortessalmi fails to disclose, teach or suggest the claimed mobile system comprising “first means for checking whether the database contains a record which contains a mobile equipment identity corresponding to the mobile equipment identity transmitted by the mobile station, but whose mobile subscriber identity does not correspond to that transmitted by the mobile station, and second means responsive to the first means to produce a signal

indicating that the mobile equipment identity is possibly a copied one,” as recited in independent claim 7 and its dependent claim 8.

Finally, Kortesalmi fails to disclose, teach or suggest the claimed element of a mobile network, which includes “a database, containing records, each record containing an international mobile equipment identity associated with a mobile station and at least one international mobile subscriber identity,” as recited in independent claim 9.

Kortesalmi is directed to an invention for preventing misuse of a copied subscriber identity (i.e., IMSI), rather than detecting a copied international mobile equipment identity (i.e., IMEI). Thus, Kortesalmi merely discloses sending the IMSI to the HLR, receiving a list of IMEI codes according to the IMSI, and accepting the location update of the MS if IIV (IMIS-IMEI verification) is not in use. Kortesalmi also checks if  $IMEI_{MS} = IMEI_{HLR}$  on the list if IIV is in use, and if so, accepts the MS location update. Otherwise, the MS location update is rejected. See, column 6, lines 8 to 20.

However, in Kortesalmi, no true IMSI check is performed. Thus, Kortesalmi fails to disclose, teach or suggest checking whether there is a mobile subscriber identity corresponding to a mobile subscriber identity transmitted by a mobile station after checking of the existence of a database record (which contains the mobile equipment identity corresponding to the mobile equipment identity transmitted by the mobile station). Thus, Kortesalmi also fails to disclose, teach or suggest producing at least a signal indicating that the mobile equipment identity is possibly a copied one, if the check is failed.

Accordingly, Kortesalmi fails to disclose teach or suggest the claimed method and system which check whether there is a record in the database, which contains a mobile equipment identity corresponding to the mobile equipment identity transmitted by the mobile station, and if there is a record in the database, check whether the record includes a mobile subscriber identity corresponding to the mobile subscriber identify transmitted by the mobile station, and, if there is no record in the database, produce at least a signal indicating that the mobile equipment identity is possibly a copied one. Further, Kortesalmi fails to disclose, teach or suggest the claimed element of a mobile network, which includes the claimed database containing records which contain an international mobile equipment identity associated with a mobile station and at least one international mobile subscriber identity,” as recited in independent claim 9.

Based on the foregoing remarks, Applicant submits that the pending claims are allowable. Applicant requests allowance of the application with these claims. However, if

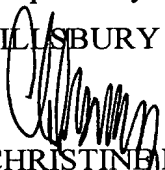
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the Examiner feels there is anything further necessary to place this application in condition for allowance, Applicant requests the Examiner to telephone Applicant's undersigned representative at the number below.

Please charge any fees associated with the submission of this paper to Deposit Account Number 033975. The Commissioner for Patents is also authorized to credit any over payments to the above-referenced Deposit Account.

Respectfully submitted,

PILLSBURY WINTHROP SHAW PITTMAN LLP



CHRISTINE H. MCCARTHY  
Reg. No. 41844  
Tel. No. 703 905.2143  
Fax No. 703 905.2500

Date: September 15, 2005  
P.O. Box 10500  
McLean, VA 22102  
(703) 905-2000